



SEQUENCE LISTING

<110> Stephenson, Sally-Anne

<120> Methods for regulating cancer

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<141> 2005-12-16

<150> PCT/AU2003/001209

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<151> 2002-09-16

<160> 13

<170> PatentIn version 3.2

<210> 1

<211> 987

<212> PRT

<213> Homo sapiens

<400> 1

Met Glu Leu Arg Val Leu Leu Cys Trp Ala Ser Leu Ala Ala Ala Leu

1 5 10 15

Glu Glu Thr Leu Leu Asn Thr Lys Leu Glu Thr Ala Asp Leu Lys Trp

20 25 30

Val Thr Phe Pro Gln Val Asp Gly Gln Trp Glu Glu Leu Ser Gly Leu

35 40 45

Asp Glu Glu Gln His Ser Val Arg Thr Tyr Glu Val Cys Asp Val Gln

50 55 60

Arg Ala Pro Gly Gln Ala His Trp Leu Arg Thr Gly Trp Val Pro Arg

65 70 75 80

Arg Gly Ala Val His Val Tyr Ala Thr Leu Arg Phe Thr Met Leu Glu

	85		90		95										
Cys	Leu	Ser	Leu	Pro	Arg	Ala	Gly	Arg	Ser	Cys	Lys	Glu	Thr	Phe	Thr
	100		105		110										
Val	Phe	Tyr	Tyr	Glu	Ser	Asp	Ala	Asp	Thr	Ala	Thr	Ala	Leu	Thr	Pro
	115		120		125										
Ala	Trp	Met	Glu	Asn	Pro	Tyr	Ile	Lys	Val	Asp	Thr	Val	Ala	Ala	Glu
	130		135		140										
His	Leu	Thr	Arg	Lys	Arg	Pro	Gly	Ala	Glu	Ala	Thr	Gly	Lys	Val	Asn
145			150		155				160						
Val	Lys	Thr	Leu	Arg	Leu	Gly	Pro	Leu	Ser	Lys	Ala	Gly	Phe	Tyr	Leu
	165		170		175										
Ala	Phe	Gln	Asp	Gln	Gly	Ala	Cys	Met	Ala	Leu	Leu	Ser	Leu	His	Leu
	180		185		190										
Phe	Tyr	Lys	Lys	Cys	Ala	Gln	Leu	Thr	Val	Asn	Leu	Thr	Arg	Phe	Pro
	195		200		205										
Glu	Thr	Val	Pro	Arg	Glu	Leu	Val	Val	Pro	Val	Ala	Gly	Ser	Cys	Val
	210		215		220										
Val	Asp	Ala	Val	Pro	Ala	Pro	Gly	Pro	Ser	Pro	Ser	Leu	Tyr	Cys	Arg
225			230		235				240						
Glu	Asp	Gly	Gln	Trp	Ala	Glu	Gln	Pro	Val	Thr	Gly	Cys	Ser	Cys	Ala
	245		250		255										
Pro	Gly	Phe	Glu	Ala	Ala	Glu	Gly	Asn	Thr	Lys	Cys	Arg	Ala	Cys	Ala
	260		265		270										
Gln	Gly	Thr	Phe	Lys	Pro	Leu	Ser	Gly	Glu	Gly	Ser	Cys	Gln	Pro	Cys
	275		280		285										
Pro	Ala	Asn	Ser	His	Ser	Asn	Thr	Ile	Gly	Ser	Ala	Val	Cys	Gln	Cys
	290		295		300										
Arg	Val	Gly	Tyr	Phe	Arg	Ala	Arg	Thr	Asp	Pro	Arg	Gly	Ala	Pro	Cys
305			310		315				320						
Thr	Thr	Pro	Pro	Ser	Ala	Pro	Arg	Ser	Val	Val	Ser	Arg	Leu	Asn	Gly

	325		330		335
Ser Ser Leu His Leu Glu Trp Ser Ala Pro Leu Glu Ser Gly Gly Arg					
	340		345		350
Glu Asp Leu Thr Tyr Ala Leu Arg Cys Arg Glu Cys Arg Pro Gly Gly					
	355		360		365
Ser Cys Ala Pro Cys Gly Gly Asp Leu Thr Phe Asp Pro Gly Pro Arg					
	370		375		380
Asp Leu Val Glu Pro Trp Val Val Val Arg Gly Leu Arg Pro Asp Phe					
385		390		395	400
Thr Tyr Thr Phe Glu Val Thr Ala Leu Asn Gly Val Ser Ser Leu Ala					
	405		410		415
Thr Gly Pro Val Pro Phe Glu Pro Val Asn Val Thr Thr Asp Arg Glu					
	420		425		430
Val Pro Pro Ala Val Ser Asp Ile Arg Val Thr Arg Ser Ser Pro Ser					
	435		440		445
Ser Leu Ser Leu Ala Trp Ala Val Pro Arg Ala Pro Ser Gly Ala Val					
	450		455		460
Leu Asp Tyr Glu Val Lys Tyr His Glu Lys Gly Ala Glu Gly Pro Ser					
465		470		475	480
Ser Val Arg Phe Leu Lys Thr Ser Glu Asn Arg Ala Glu Leu Arg Gly					
	485		490		495
Leu Lys Arg Gly Ala Ser Tyr Leu Val Gln Val Arg Ala Arg Ser Glu					
	500		505		510
Ala Gly Tyr Gly Pro Phe Gly Gln Glu His His Ser Gln Thr Gln Leu					
	515		520		525
Asp Glu Ser Glu Gly Trp Arg Glu Gln Leu Ala Leu Ile Ala Gly Thr					
	530		535		540
Ala Val Val Gly Val Val Leu Val Leu Val Val Ile Val Val Ala Val					
545		550		555	560
Leu Cys Leu Arg Lys Gln Ser Asn Gly Arg Glu Ala Glu Tyr Ser Asp					

	565		570		575
Lys	His	Gly	Gln	Tyr	Leu
Ile	Gly	His	Gly	Thr	Lys
Val	Tyr	Ile	Asp		
	580		585		590
Pro	Phe	Thr	Tyr	Glu	Asp
Pro	Asn	Glu	Ala	Val	Arg
Glu	Phe	Ala	Lys		
	595		600		605
Glu	Ile	Asp	Val	Ser	Tyr
Val	Lys	Ile	Glu	Glu	Val
Ile	Gly	Ala	Gly		
	610		615		620
Glu	Phe	Gly	Glu	Val	Cys
Arg	Gly	Arg	Leu	Lys	Ala
Pro	Gly	Lys	Lys		
	625		630		635
					640
Glu	Ser	Cys	Val	Ala	Ile
Lys	Thr	Leu	Lys	Gly	Gly
Tyr	Thr	Glu	Arg		
	645		650		655
Gln	Arg	Arg	Glu	Phe	Leu
Ser	Glu	Ala	Ser	Ile	Met
Gly	Gln	Phe	Glu		
	660		665		670
His	Pro	Asn	Ile	Ile	Arg
Leu	Glu	Gly	Val	Val	Thr
Asn	Ser	Met	Pro		
	675		680		685
Val	Met	Ile	Leu	Thr	Glu
Phe	Met	Glu	Asn	Gly	Ala
Leu	Asp	Ser	Phe		
	690		695		700
Leu	Arg	Leu	Asn	Asp	Gly
Gln	Phe	Thr	Val	Ile	Gln
Leu	Val	Gly	Met		
	705		710		715
					720
Leu	Arg	Gly	Ile	Ala	Ser
Gly	Met	Arg	Tyr	Leu	Ala
Glu	Met	Ser	Tyr		
	725		730		735
Val	His	Arg	Asp	Leu	Ala
Ala	Arg	Asn	Ile	Leu	Val
Asn	Ser	Asn	Leu		
	740		745		750
Val	Cys	Lys	Val	Ser	Asp
Phe	Gly	Leu	Ser	Arg	Phe
Leu	Glu	Glu	Asn		
	755		760		765
Ser	Ser	Asp	Pro	Thr	Tyr
Thr	Ser	Ser	Leu	Gly	Gly
Lys	Ile	Pro	Ile		
	770		775		780
Arg	Trp	Thr	Ala	Pro	Glu
Ala	Ile	Ala	Phe	Arg	Lys
Phe	Thr	Ser	Ala		
	785		790		795
					800
Ser	Asp	Ala	Trp	Ser	Tyr
Gly	Ile	Val	Met	Trp	Glu
Val	Met	Ser	Phe		

	805		810		815										
Gly	Glu	Arg	Pro	Tyr	Trp	Asp	Met	Ser	Asn	Gln	Asp	Val	Ile	Asn	Ala
	820		825		830										
Ile	Glu	Gln	Asp	Tyr	Arg	Leu	Pro	Pro	Pro	Pro	Asp	Cys	Pro	Thr	Ser
	835		840		845										
Leu	His	Gln	Leu	Met	Leu	Asp	Cys	Trp	Gln	Lys	Asp	Arg	Asn	Ala	Arg
	850		855		860										
Pro	Arg	Phe	Pro	Gln	Val	Val	Ser	Ala	Leu	Asp	Lys	Met	Ile	Arg	Asn
865			870		875				880						
Pro	Ala	Ser	Leu	Lys	Ile	Val	Ala	Arg	Glu	Asn	Gly	Gly	Ala	Ser	His
	885		890		895										
Pro	Leu	Leu	Asp	Gln	Arg	Gln	Pro	His	Tyr	Ser	Ala	Phe	Gly	Ser	Val
	900		905		910										
Gly	Glu	Trp	Leu	Arg	Ala	Ile	Lys	Met	Gly	Arg	Tyr	Glu	Glu	Ser	Phe
	915		920		925										
Ala	Ala	Ala	Gly	Phe	Gly	Ser	Phe	Glu	Leu	Val	Ser	Gln	Ile	Ser	Ala
	930		935		940										
Glu	Asp	Leu	Leu	Arg	Ile	Gly	Val	Thr	Leu	Ala	Gly	His	Gln	Lys	Lys
945			950		955				960						
Ile	Leu	Ala	Ser	Val	Gln	His	Met	Lys	Ser	Gln	Ala	Lys	Pro	Gly	Thr
	965		970		975										
Pro	Gly	Gly	Thr	Gly	Gly	Pro	Ala	Pro	Gln	Tyr					
	980		985												

&lt;210&gt; 2

&lt;211&gt; 25

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2

Thr Val Asn Leu Thr Arg Phe Pro Glu Thr Val Pro Arg Glu Leu Val

1 5 10 15

Val Pro Val Ala Gly Ser Cys Val Val

20 25

<210> 3

<211> 25

<212> PRT

<213> Homo sapiens

<400> 3

Gly Ser Cys Val Val Asp Ala Val Pro Ala Pro Gly Pro Ser Pro Ser

1 5 10 15

Leu Tyr Cys Arg Glu Asp Gly Gln Trp

20 25

<210> 4

<211> 25

<212> PRT

<213> Homo sapiens

<400> 4

Glu Asp Gly Gln Trp Ala Glu Gln Pro Val Thr Gly Cys Ser Cys Ala

1 5 10 15

Pro Gly Phe Glu Ala Ala Glu Gly Asn

20 25

<210> 5

<211> 25

<212> PRT

<213> Homo sapiens

<400> 5

Ala Ala Glu Gly Asn Thr Lys Cys Arg Ala Cys Ala Gln Gly Thr Phe

1 5 10 15

Lys Pro Leu Ser Gly Glu Gly Ser Cys

20 25

<210> 6

<211> 25

<212> PRT

<213> Homo sapiens

<400> 6

Gly Glu Gly Ser Cys Gln Pro Cys Pro Ala Asn Ser His Ser Asn Thr

1 5 10 15

Ile Gly Ser Ala Val Cys Gln Cys Arg

20 25

<210> 7

<211> 25

<212> PRT

<213> Homo sapiens

<400> 7

Val Cys Gln Cys Arg Val Gly Tyr Phe Arg Ala Arg Thr Asp Pro Arg

1 5 10 15

Gly Ala Pro Cys Thr Thr Pro Pro Ser

20

25

&lt;210&gt; 8

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8

Ala Gly Ser Cys Val Val Asp Ala

1

5

&lt;210&gt; 9

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 9

Val Ala Gly Ser Cys Val Val Asp Ala Val

1

5

10

&lt;210&gt; 10

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 10

Leu Val Val Pro Val Ala Gly Ser Cys Val Val Asp Ala Val Pro Ala

1

5

10

15

&lt;210&gt; 11



<211> 25

<212> PRT

<213> Homo sapiens

<400> 11

Ala Gly Ser Cys Val Val Asn Ala Val Pro Ala Pro Gly Pro Ser Pro

1 5 10 15

Ser Leu Tyr Cys Arg Glu Asp Gly Gln

20 25

<210> 12

<211> 25

<212> PRT

<213> Homo sapiens

<400> 12

Ala Gly Ser Cys Val Val Asp Ala Val Pro Ala Pro Gly Pro Ser Pro

1 5 10 15

Ser Leu Tyr Cys Arg Glu Asp Gly Gln

20 25

<210> 13

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<213> Homo sapiens

<400> 13

Gly Ser Cys Val Val

1 5